BRUHAT BANGALORE MAHANAGARA PALIKE
SCHEDULE-B

Issued to M/s KRIDL

Detailed Estimate for :- Development of Civil Works at Canara Bank Layout Parks, in Ward No.9, vidyaranyapura,					
Sl. No.	**Qty**	**Particulars**	**Unit**	**Rate in Fig.**	**Rate in Words**
1	120.24	KSRB 2-2.1 : Earthwork in surface excavation in oridinary soil for leveling and lowering he ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavted surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) /2.3.1 (P-5, I-2.1 PWDSR 15-16)	Cum	159.84	(Rupees one hundred fifty nine and paise eighty four only)
2	114.93	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the escavated soil clean from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (KSB 2.1) (b) 2.3.5, P-5, 1-2.3)	Cum	192.24	(Rupees one hundred ninety two and paise twenty four only)
3	225	Lead for Disposal of Debris/earth shall be payable at garage rates by Mechanical means including loading and unloading from 0Kms to 15Kms (P.No.124.I.No.Conveying)	Cum	108.65	(Rupees twenty seven and paise fifty six only)
4	307.37	Removing & resetting of kerb stones (P. No. 258-I. No. 37.	mtrs	63.72	(Rupees sixty three and paise seventy two only)
5	291.03	KSRB 14.6-2 : Providing and layign heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm ove 50mm thick and bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface jointed into its final level, including cost of materials, labour and HOM of machineries complete as per specification (P. No. 101 - I. No. 14.7)	sqm	390.87	(Rupees three hundred ninety and eighty-seven)
6	43.64	Providing and laying in positionp lain cement concrete of Mix CC 1:4;8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.3)	cum	5070.6	(Rupees

7	328	Providing and fixing precast solid concrete kerb stones made out of No.272.21 CC. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing includign cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete P. No. 25 I. No. 5.30	Nos	314.82	(Rupees three hundred and fourteen paise eight two only)
8	291.03	KSRB 14.6-2 : Providing and layign heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm ove 50mm thick and bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface jointed into its final level, including cost of materials, labour and HOM of machineries complete as per specification (P. No. 101 - I. No. 14.7)	sqm	1014.12	(Rupeesone thousand, fourteen and twelve only)
9	59.8	Providing and laying in positionplain cement concrete of Mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.549 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.6)	cmtr	5490.72	(Rupees five thousand, four hundred ninety and seventy-two only)
10	111.06	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortat 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour curing complete as per specification. P.109, I. No.14.62	sqmt	1137.24	(Rupees one thousand, one hundred thirty-seven and twenty-four only)
11	88.4	Supplying and fixing M.S.Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH2 NOS 16mm dia M.s. hold fast rods each of length 25 cms. Including cost of materials cutting, bending scaffolding whrever necessary nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) P.No.255 I.No. 37.2	mtrs	991.44	(Rupeesnine hundred ninety-one and forty-four only)

12	683.1	Providing and fixing M.S. block pipe of 38 mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. blok pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer in charge of work etc., complete including two coats of approved quality paint over one coat of shop paint (Item No.37.4 Page No.255)	mtrs	338.04	(Rupees three hundred thirty-eight and four only)
13	466.35	Providing chain link fencing 50mm sie of 8 guage propely stretched between rectangular poles and fixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, colour, lead and lifta and as per the directions of the Egineer -in-charge two coats of approved quality paint over one coat of shop paint (Page No.255, I. No. 37.3)	sqm	697.68	(Rupees six hundred ninety-seven and sixty-eight only)
14	54	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure inclucing cost of materials, labour charges, scaffolding curing complete as per specification P. No.25, I. No. 5.27	sqm	999.58	(Rupees nine hundred ninety-nine and fifty-eight only)
15	54	Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications P 113 I. No. 15.15	sqm	249.48	(Rupees two hundred forty nine and paise forty eight only)
16	474.84	Providing 20mm thick cement plaste rin single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering : providing and removing scaffolding, including cost of materials, labour, curing complete as per specification, cement mortar 1:4 P. No. 113 I. No. 15.19	sqm	239.76	(Rupees two hundred thirty-nine and seventy-six only)
17	869.4	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specificatios (P-120, I-15.74 PWDSR 16-17)	sqm	85.32	(Rupees eighty-five and thirty-two only)
18	448.44	Providing and applying ready mix priming coat over concrete/masonry /asbestos cement sheet plastered surfaces including preparing the surface after through brooming of oil,grease,dirt and other foreign matter,and sand papering including cost of materials, labhour, complete as per specifications (P.No.121, I.No.15.80)	Sqm	27	(Rupees Twenty seven only)

19	448.44	Providing and applying painting with ready mix paint in two coats(excluding priming coat) over new concrete/asbestos cement sheet/plastered surface brush to give an even shade after preparing the surface after through brooming of oil, dirt, and other foreign matter and sand papering including cost of materials, labhour, complete as per specifications.(P.No.121 ,I.No.15.83)	Sqm	51.84	(Rupees fifty-one and eighty-four only)
20	17.08	Gate : Fabricating, providing and erecting in position Hop dip galvanized gate using 72x72x4.8mm sq.GI pipe frame with top pipe bending in heavy duty gydraulic press with sand packign and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq rod for verticals at 150mm c.c as shown in the drawin including providing hot dip galvanised forged ornamental design in between sq.rods and heads at top middle and bottom. Inermediate supports of 75x12 mm and 50x6mm arch bent to hot dip galvanized flats, the work is includisve of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy duty locking arrangements at two placed including cost of lavour paiting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all othe rincidental charges for successful completion of the work as per directions of the Engineer in charge of the work	Sqm	12475	(Rupees twelve thousand, four hundred seventy-five only)
21	15	Providing and fixign ornamental Delhi benches as per design, specifrication and fixing as per the direction of Engineer incharge of work	Nos	8500	(Rupees eight thounad five hundred only)
22	1	2-Seater Swing : This Swing consists of 2 Nos, seat sof solid fibbed FP of size 480 mm x 180 mm x 3.5 mm supported by MS chains (*heavy) length 1.8 mtrs, each seat is suspended by 2 lines of chains. The chains are supported by circular housing with bearing from which the chain in suspended. The main beam is of 50mm MS 'a' class pipe. Size of MS chain 30mm x 20mm x 5mm thick, The 2 Nos inverted 'V' beams are of 50mm 'A' Class pipes secured at the top the main beam by means of CI castings. (Heavy duty for elders) All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipment in CC 1:2:4 curing etc complete with all lead and lift loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Engineer incharge of the work..	set	46000	(Rupees forty six thousnad only)

23	95.47	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as specification P. No. 6 I. No. 2.13	Cum	2256.74	(Ruees two thousand two hundred fifty six and paise seventy four only)
24	23	Providing and fixign granite benches as per design, specifrication and fixing as per the direction of Engineer incharge of work	Nos	10550	(Rupees ten thousand five hundred and fifty only)
25	11	Providing and fixing dust bins as per designs, drawing specification and direction of Engineer in charge of works	Nos	4800	(Rupees four thousand eight hundred only)
26	1	Removing and refixing of existing of play equipments	each	45000	(Rupees forty five thousand only)
27	1	Repairs and replacing of exisiting FRP	set	60000	(Rupees Six lahs sixty thousnad only)

Note:

1) The work should be executed as per the standard specification of P.W.D. and Corporation as directed by BBMP Engineer.
2) The work should be done as per directions and instructions of the Engineers and Horticulture Superintendent.
3) For Non-removal of debris the corporation will recover 1/2% of the estimated amount in contractors.

Technical Manager-West

EXECUTIVE ENGINEER-4
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26/12/16